National Transportation Safety Board NTSB ID: ANC04LA054 Aircraft Registration Number: N9820F FACTUAL REPORT Occurrence Date: 05/16/2004 Most Critical Injury: None Occurrence Type: Accident Investigated By: NTSB Location/Time Nearest City/Place State Zip Code Local Time Time Zone 99579 1015 ADT Egegik ΑK Distance From Landing Facility: Direction From Airport: Airport Proximity: On Airport Aircraft Information Summary Aircraft Manufacturer Model/Series Type of Aircraft Cessna 208B Airplane

Air Medical Transport Flight: No

Narrative

Sightseeing Flight: No

Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:

On May 16, 2004, approximately 1015 Alaska daylight time, a Cessna 208B, N9820F, sustained substantial damage when the right wing struck the ground during taxi for takeoff at Egegik Airport, Egegik, Alaska. The airplane was operated by Peninsula Airways, Inc., of Anchorage, Alaska, doing business as PenAir. The airline transport certificated captain and the commercial certificated first officer were not injured. No cargo or passengers were aboard for the CFR Part 91 repositioning flight from Egegik to King Salmon, Alaska. A company VFR flight plan was filed and visual meteorological conditions prevailed.

According to written statements provided by the captain and first officer, the captain was taxiing the airplane from the parking ramp to the runway for takeoff when the left wing was lifted by a wind gust resulting in the right wing striking the ground. When the accident occurred, the airplane was turning left from the taxiway onto the runway, from a magnetic heading of approximately 210 degrees to a heading of approximately 120 degrees. The captain estimated the wind was from 110 degrees (magnetic) at 35 knots gusting to 40 knots.

At 1016, the Automated Weather Observing System (AWOS) at Egegik Airport reported winds from 150 degrees (true) at 39 knots gusting 48 knots. At 1036, the AWOS recorded winds from 140 degrees at 41 knots gusting 48 knots. According to the Kodiak Sectional Aeronautical Chart dated February 19, 2004, the magnetic variation at Egegik is 18 degrees east.

After the accident, the airplane remained tipped on its side with the right wing tip resting on the runway surface. The airplane was righted, and as preparations were being made to move it back to the ramp, another gust of wind lifted the left wing. This resulted in the right wing striking the bed of a flat-bed truck and incurring further damage.

In a phone interview with the National Transportation Safety Board (NTSB) investigator-in-charge (IIC), the captain stated that after the right wing initially struck the ground, it was bent up 10 to 20 degrees 3 to 4 feet inboard of the wing tip. In a phone interview with the NTSB IIC, the first officer stated that after the right wing initially struck the ground, it was bent up 15 to 20 degrees near the inboard aileron attach point.

National Transportation Safety Board
FACTUAL REPORT
AVIATION

NTSB ID: ANC04LA054

Occurrence Date: 05/16/2004

AVIATION Occurrence Type: Accident													
Landing Facility/Approach In	formation												
Airport Name	Airport Elevat	tion	Run	way Used	Runwa	y Lengt	h	Runv	vay Width				
Egegik	Egegik EII					Ft. MSL NA							
Runway Surface Type: Gravel													
Runway Surface Condition: Dry				_		_				_	_	_	
Type Instrument Approach: NONE	Ē												
VFR Approach/Landing: None													
Aircraft Information										•			
Aircraft Manufacturer Cessna				/lodel/S 208B	3eries					Serial 208B		er	
Airworthiness Certificate(s): Norm	ıal												
Landing Gear Type: Tricycle													
Homebuilt Aircraft? No	Number of Seats:	14	Ce	ertified	Max Gross W	8750 LBS Numbe			r of En	gines	: 1		
Engine Type: Turbo Prop	• • • • • • • • • • • • • • • • • • • •				Engine Manufacturer: Model/Series: Pratt & Whitney PT6A-114A							Rate 675	d Power: HP
- Aircraft Inspection Information													
Type of Last Inspection Date of Last Inspection Time Since Last Inspection Airframe Total Time										tal Time			
100 Hour 04/09/2004								96 Ho	ours		6	268 Hours	
- Emergency Locator Transmitter (ELT) Information												
ELT Installed? Yes	ELT Operate	ed? No				ELT	Aided in	n Locating Ac	cident S	ite? No	1		
Owner/Operator Information													
Registered Aircraft Owner			Stre	reet A	ddress 4451 Airc	craft !	Dr., Sui	te 201					
Avion Capital Corporation			City	.y							Stat	е	Zip Code
			Stre	eet Ac	Anchorag ddress	<u>je</u>					AK		99502
Operator of Aircraft					6100 Boe	eing <i>i</i>	Avenue						
Peninsula Airways, Inc. City Anchorage									Stat AK	e	Zip Code 99502		
Operator Does Business As: PenAir Operator Designator Code: PNSA													
- Type of U.S. Certificate(s) Held:													
Air Carrier Operating Certificate(s)	: Commuter Air Ca	arrier; F	Flag Ca	arrier/	Domestic; Or	n-der	nand A	ir Taxi					
Operating Certificate:					Operator C	ertific	cate:						
Regulation Flight Conducted Unde	r: Part 91: Genera	al Aviati	ion										
Type of Flight Operation Conducted	d: Positioning												
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National Transportation Safety Board
FACTUAL REPORT
AVIATION

NTSB ID: ANC04LA054

Occurrence Date: 05/16/2004

AVIA	TION		Occurren	ce Type: Acc	cident						
First Pilot Information	n										
Name					City			State	Da	ite of Birth	Age
On File					On File			On File	9 0	n File	41
Sex: M Seat Occupied: Left Principal Profession: Civilian Pilot Certificate Number: On File											•
Certificate(s):	irline Transpor	t; Flight Ins	tructor								
Airplane Rating(s): M	ulti-engine La	nd; Multi-en	gine Sea; S	ingle-engine	e Land; Sing	gle-engine	e Sea				
Rotorcraft/Glider/LTA:											
Instrument Rating(s): A	irplane										
Instructor Rating(s): A	irplane Multi-e	ngine; Airpl	ane Single-	engine; Instr	ument Airpl	lane					
Type Rating/Endorsemer	nt for Accident/Ir	ncident Aircra	ft? No		С	Current Bie	nnial Flight F	Review?			
Medical Cert.: Class 2	Medica	al Cert. Statu	s: Valid Me	dicalno wa	ivers/lim.		Date of L	ast Medic	al Exa	m: 05/02/20	003
- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Mult-Engine	Night	Ins Actual	trument Simulated	Rotore	craft	Glider	Lighter Than Air
Total Time	10300	290	8395	1905	430	32	0 34	10			
Pilot In Command(PIC)	8830	270	8275	250	410	9	0 3	30			
Instructor	200		150	50	25	1	0 3	30			
Last 90 Days	55	25	55					5			
Last 30 Days	50	25	50					5			
Last 24 Hours											
Seatbelt Used? Yes	Shou	ılder Harness	Used? Yes		Toxico	ology Perfo	rmed? No		Seco	ond Pilot? Ye	es
Flight Plan/Itinerary											
Type of Flight Plan Filed:	Company VF	R									
Departure Point					State	e Ai	port Identifie	er De	epartur	re Time	Time Zone
Same as Accident/Inc	ident Location					E)15		ADT
Destination					State	e Ai	rport Identifi	ər			
King Salmon					AK		KN				
Type of Clearance: Nor	ne				•	•		•			
Type of Airspace: Cla	ss G										
Weather Information											
Source of Briefing: Inte	rnet										
Method of Briefing: Tele	ephone										
			FACTUAL	REPORT -	AVIATIO	N					Page 3

National Transportation Safety Board
FACTUAL REPORT
AVIATION

NTSB ID: ANC04LA054

Occurrence Date: 05/16/2004

Occurrence Type: Accident

MOF ID		cit Bo.														
PAII 1016 ADT 92 Ft. MSL Ft. AGL Condition of Light: Day Lowest Ceiling: None Ft. AGL Visibility: 9 SM Altimeter: 29.45 "Hg Temperature: 9 °C Dew Point: 3 °C Wind Direction: 150 Density Altitude: Ft. Ft. Wisibility (RVR): Ft. Visibility (RVV) SM Intensity of Precipitation: Visual Conditions Restrictions to Visibility: None Type of Precipitation: None Aircraft Fire: Aircraft Explosion Classification: - Injury Summary Matrix Fatal Serious Minor None TOTAL First Pilot 1 1 1 Subdent Pilot 1 1 1 Flight Instructor 1 1 1 Check Pilot 1 1 1 Flight Engineer 1 1 1 Cabin Attendants 1 1 1	Weather	Information														
Sky/Lowest Cloud Condition: Clear	WOF ID	Observation Time		Time Zone		WOF Elevati	on	WOF D	istance	From Ac	cident Site		Direction Fron	n Accident Si	te	
Sky/Lowest Cloud Condition: Clear	PAII	1016		ADT		92 Ft.	MSL				0 NM	0 NM Dea. Ma				
Lowest Ceiling: None								<u> </u>							,	
Temperature: 9 °C Dew Point: 3 °C Wind Direction: 150 Density Altitude: Ft. Wind Speed: 39 Gusts: 48 Weather Conditions at Accident Site: Visual Conditions Visibility (RVR): Ft. Visibility (RVV) SM Intensity of Precipitation: Restrictions to Visibility: None Accident Information Aircraft Fire: Aircraft Explosion Classification: Injury Summary Matrix Fatal Serious Minor None TOTAL First Pilot 1	Sky/Lowes	st Cloud Condition: (Clear						F1	. AGL	Condition of	of LigI	ht: Day			
Wind Speed: 39 Gusts: 48 Weather Conditions at Accident Site: Visual Conditions Visibility (RVR): Ft. Visibility (RVV) SM Intensity of Precipitation: Restrictions to Visibility: None Accident Information Aircraft Information Aircraft Damage: Aircraft Fire: Aircraft Explosion Classification: - Injury Summary Matrix Fatal Serious Minor None TOTAL First Pilot First Pilot Second Pilot Second Pilot Filight Instructor Check Pilot Filight Engineer Cabin Altendants Other Crew Image: Visibility (RVV) SM Intensity of Precipitation: Visual Conditions Accident Site: Visual Conditions Accident Site: Visual Conditions Intensity of Precipitation: None Aircraft Explosion TOTAL 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Lowest Ce	iling: None				Ft.	AGL	Visib	ility:	9	SM	Alti	meter:	29.45	"Hg	
Visibility (RVR): Ft. Visibility (RVV) SM Intensity of Precipitation: Restrictions to Visibility: None Type of Precipitation: None Accident Information Aircraft Damage: Aircraft Fire: Aircraft Explosion Classification: - Injury Summary Matrix Fatal Serious Minor None TOTAL First Pilot First Pilot Second Pilot Filight Instructor Check Pilot Filight Instructor Check Pilot Filight Engineer Cabin Attendants Other Crew I I I I I I I I I I I I I I I I I I I	Temperatu	ıre: 9°C	; [Dew Point:		3 °C	Wind	Direction:	150			De	nsity Altitude:		Ft.	
Restrictions to Visibility: None Type of Precipitation: None Accident Information Aircraft Damage: Aircraft Fire: Aircraft Explosion Classification: Injury Summary Matrix Fatal Serious Minor None TOTAL First Pilot 1 1 1 Second Pilot 1 1 1 Student Pilot 1 1 1 Student Pilot 1 1 1 Flight Instructor 1 1 1 Flight Engineer 1 1 1 1 Cabin Attendants 1 1 1 1 Other Crew 1 1 1 1	Wind Spee	ed: 39		Gusts: 4	-8		Weath	ner Condt	ions at <i>i</i>	Accident	Site: Visual C	Cond	litions			
Type of Precipitation: None Accident Information	Visibility (F	RVR):	Ft.	Visibility	(RV	V)	SM	Intensit	y of Pre	cipitation	n:					
Accident Information Aircraft Damage: Aircraft Fire: Aircraft Explosion Classification: - Injury Summary Matrix Fatal Serious Minor None TOTAL First Pilot 1 1 1 Second Pilot 1 1 1 Student Pilot 1 1 1 Flight Instructor 1 1 1 Check Pilot 1 1 1 Flight Engineer 1 1 1 Cabin Attendants 1 1 1 Other Crew 1 1 1	Restriction	s to Visibility: None	Э													
Accident Information Aircraft Damage: Aircraft Fire: Aircraft Explosion Classification: - Injury Summary Matrix Fatal Serious Minor None TOTAL First Pilot 1 1 1 Second Pilot 1 1 1 Student Pilot 1 1 1 Flight Instructor 1 1 1 Check Pilot 1 1 1 Flight Engineer 1 1 1 Cabin Attendants 1 1 1 Other Crew 1 1 1																
Aircraft Damage: Aircraft Fire: Aircraft Explosion Classification: - Injury Summary Matrix Fatal Serious Minor None TOTAL First Pilot 1 1 1 Second Pilot 1 1 1 Student Pilot 1 1 1 Flight Instructor 1 1 1 Check Pilot 1 1 1 Flight Engineer 1 1 1 Cabin Attendants 1 1 1 Other Crew 1 1 1	Type of Pr	ecipitation: Non	е													
Aircraft Damage: Aircraft Fire: Aircraft Explosion Classification: - Injury Summary Matrix Fatal Serious Minor None TOTAL First Pilot 1 1 1 Second Pilot 1 1 1 Student Pilot 1 1 1 Flight Instructor 1 1 1 Check Pilot 1 1 1 Flight Engineer 1 1 1 Cabin Attendants 1 1 1 Other Crew 1 1 1																
Classification: - Injury Summary Matrix Fatal Serious Minor None TOTAL First Pilot 1 1 1 Second Pilot 1 1 1 Student Pilot 1 1 1 Flight Instructor 1 1 1 Check Pilot 1 1 1 Flight Engineer 1 1 1 Cabin Attendants 1 1 1 Other Crew 1 1 1	Accident	Information														
- Injury Summary Matrix Fatal Serious Minor None TOTAL First Pilot Second Pilot Student Pilot Flight Instructor Check Pilot Flight Engineer Cabin Attendants Other Crew Minor None TOTAL 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Aircraft Da	mage:				Aircraft Fire	e:				Aircraft Exp	olosio	n			
First Pilot 1 1 Second Pilot 1 1 Student Pilot 5 5 Flight Instructor 5 5 Check Pilot 5 5 Flight Engineer 5 5 Cabin Attendants 5 5 Other Crew 6 6	Classificati	ion:									•					
Second Pilot 1 1 Student Pilot 5 5 Flight Instructor 5 5 Check Pilot 5 5 Flight Engineer 5 5 Cabin Attendants 5 5 Other Crew 6 6	- Injury Su	mmary Matrix		Fatal	Serio	ous Mino	or	None	TOTA	-						
Second Pilot 1 1 Student Pilot 5 5 Flight Instructor 5 5 Check Pilot 5 5 Flight Engineer 5 5 Cabin Attendants 5 5 Other Crew 6 6	First Pi	ilot						1		1						
Flight Instructor Check Pilot Flight Engineer Cabin Attendants Other Crew	Second	d Pilot								1						
Check Pilot	Studer	t Pilot														
Flight Engineer Cabin Attendants Other Crew Other Crew	Flight I	nstructor														
Cabin Attendants Other Crew	Check	Pilot														
Other Crew	Flight E	Engineer														
	Cabin /	Attendants														
	Other (Crew														
Passengers	Passer	ngers														
- TOTAL ABOARD - 2 2	- TOTAL /	ABOARD -						2		2						
Other Ground Ground	Other (Ground	\dashv													
- GRAND TOTAL - 2 2	- GRANI	TOTAL -						2		2						

National Transportation Safety Board

FACTUAL REPORT AVIATION

NTSB ID: ANC04LA054

Occurrence Date: 05/16/2004

Occurrence Type: Accident

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Investigator-In-Charge (IIC)

Georgia R. Snyder

Additional Persons Participating in This Accident/Incident Investigation:

Peter Devaris FAA Coordinator Anchorage FSDO Anchorage, AK